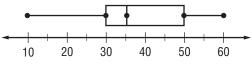
Lesson 3 Reteach

Box Plots

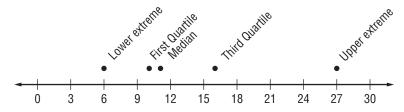
A box plot is a diagram that is constructed using the median, guartiles, and extreme values. A box is drawn around the quartile values, and the whiskers extend from each quartile to the extreme values.



Example 1

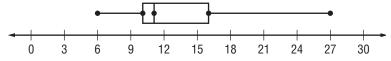
The list below shows the number of model airplanes owned by the members of the aviation club. Draw a box plot of the data.

- Step 1 Order the numbers from least to greatest. Then draw a number line that covers the range of the data.
- **Step 2** Find the median, the extremes, and the first and third quartiles. Mark these points above the number line.



Step 3 Draw the box so that it includes the quartile values. Draw a vertical line through the median value. Extend the whiskers from each quartile to the extreme data points.

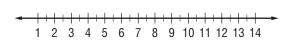
Numbers of Model Airplanes Owned

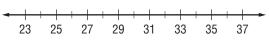


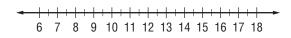
Exercises

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Draw a box plot for each set of data.







4. {108, 130, 110, 104, 106, 120, 140, 122, 114, 104}

